

Title (en)  
SYNTHETIC RESIN STENT

Title (de)  
KUNSTHARZSTENT

Title (fr)  
ENDOPROTHÈSE EN RÉSINE SYNTHÉTIQUE

Publication  
**EP 3189816 A4 20180411 (EN)**

Application  
**EP 15838355 A 20150831**

Priority  
• JP 2014177487 A 20140901  
• JP 2015074734 W 20150831

Abstract (en)  
[origin: EP3189816A1] Provided is a synthetic resin stent that has resistance to pressure externally applied from the radial direction while in an enlarged diameter state even when the synthetic resin fibers are thin. The synthetic resin stent 1 comprises: a stent main section 2 that is formed by synthetic resin fibers 20 into a cylinder and that can deform from a reduced diameter state to an enlarged diameter state; and a restricting mechanism 4 that keeps the stent main section 2 in the enlarged diameter state by restricting the stent main section 2 from reducing in diameter when in the enlarged diameter state. The synthetic resin stent 1 preferably further comprises a diameter enlarging mechanism 3 that is connected to the stent main section 2 and that deforms the stent main section 2 from a reduced diameter state to an enlarged diameter state.

IPC 8 full level  
**A61F 2/90** (2013.01); **A61L 31/14** (2006.01)

CPC (source: EP US)  
**A61F 2/86** (2013.01 - US); **A61F 2/90** (2013.01 - EP US); **A61F 2/95** (2013.01 - US); **A61F 2/966** (2013.01 - EP US); **A61L 31/06** (2013.01 - US); **A61L 31/148** (2013.01 - US); **A61F 2/95** (2013.01 - EP); **A61F 2210/0004** (2013.01 - EP US)

Citation (search report)  
• [X] WO 0209617 A1 20020207 - BIONX IMPLANTS INC [US], et al  
• [X] US 2007026132 A1 20070201 - WILLIAMS MICHAEL S [US], et al  
• [I] EP 0897699 A2 19990224 - SCHNEIDER USA INC [US]  
• See references of WO 2016035757A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3189816 A1 20170712**; **EP 3189816 A4 20180411**; **EP 3189816 B1 20221207**; CN 106794070 A 20170531; CN 106794070 B 20190312; JP 6705377 B2 20200603; JP WO2016035757 A1 20170608; US 10265204 B2 20190423; US 2017281376 A1 20171005; WO 2016035757 A1 20160310

DOCDB simple family (application)  
**EP 15838355 A 20150831**; CN 201580046208 A 20150831; JP 2015074734 W 20150831; JP 2016546639 A 20150831; US 201515507945 A 20150831